

To: Vann, Bradley[Vann.Bradley@epa.gov]
From: Kiefer, Robyn V NWK
Sent: Wed 1/7/2015 3:01:35 PM
Subject: RE: USACE Lab testing capabilities (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Just got response from ERDC. They say they can do core testing and heating, but they aren't currently set up to do it. They have to specially set up to do this. Same thing if they had a contractor do it.

Cost for labor, set up, execution, analysis will be approx \$35k just for determining rate of radon release and amount of radon release. It's pretty pricey and could possibly be higher. As you know, ERDC employs highly experienced scientists and engineers who mostly do research, so that's what we're paying for if we use them.

If you want to proceed with this, let me know. We'll need to set up a call with them to talk specifically about what info you need.

Thanks,
Robyn

-----Original Message-----

From: Vann, Bradley [mailto:Vann.Bradley@epa.gov]
Sent: Monday, December 29, 2014 9:10 AM
To: Kiefer, Robyn V NWK
Subject: [EXTERNAL] RE: USACE Lab testing capabilities (UNCLASSIFIED)

Robyn,

If ERDC (or one of their contractors) can perform the analyses please also check if they can heat the samples up to 500 F. It is hotter than current temps at Bridgeton but with issues raised by others on possible "unknowns" such as dross-type SSEs generating higher temps might as well confirm to certain.

Thanks,

Bradley Vann - Remedial Project Manager
U.S. Environmental Protection Agency
Superfund Division
Missouri/Kansas Remedial Branch
11201 Renner Blvd.
Lenexa, KS 66219
Phone: 913-551-7611
Fax: 913-551-9611

-----Original Message-----

From: Kiefer, Robyn V NWK [mailto:Robyn.V.Kiefer@usace.army.mil]
Sent: Monday, December 15, 2014 7:41 AM
To: Vann, Bradley
Subject: USACE Lab testing capabilities (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Brad:

Per your request, we contacted the USACE Environmental Research and Development Center (ERDC) labs to determine if they had the capability to test cores containing RIM to measure radon flux as well as other radioactive parameters coming off the cores at ambient temperatures and then heat the cores to approx 300 degree F and measure the same parameters.

ERDC has the capability to measure Thorium and Uranium by ICP-MS, however, they do not have the capability to measure Radon flux. They are checking on their contractor capabilities, but we haven't heard back from them yet on that.

I will let you know when I hear back.

Thanks,
Robyn

Robyn Kiefer
Project Manager
U.S. Army Corps of Engineers
Phone: 816-389-3615
Cell: 816-803-5730

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE